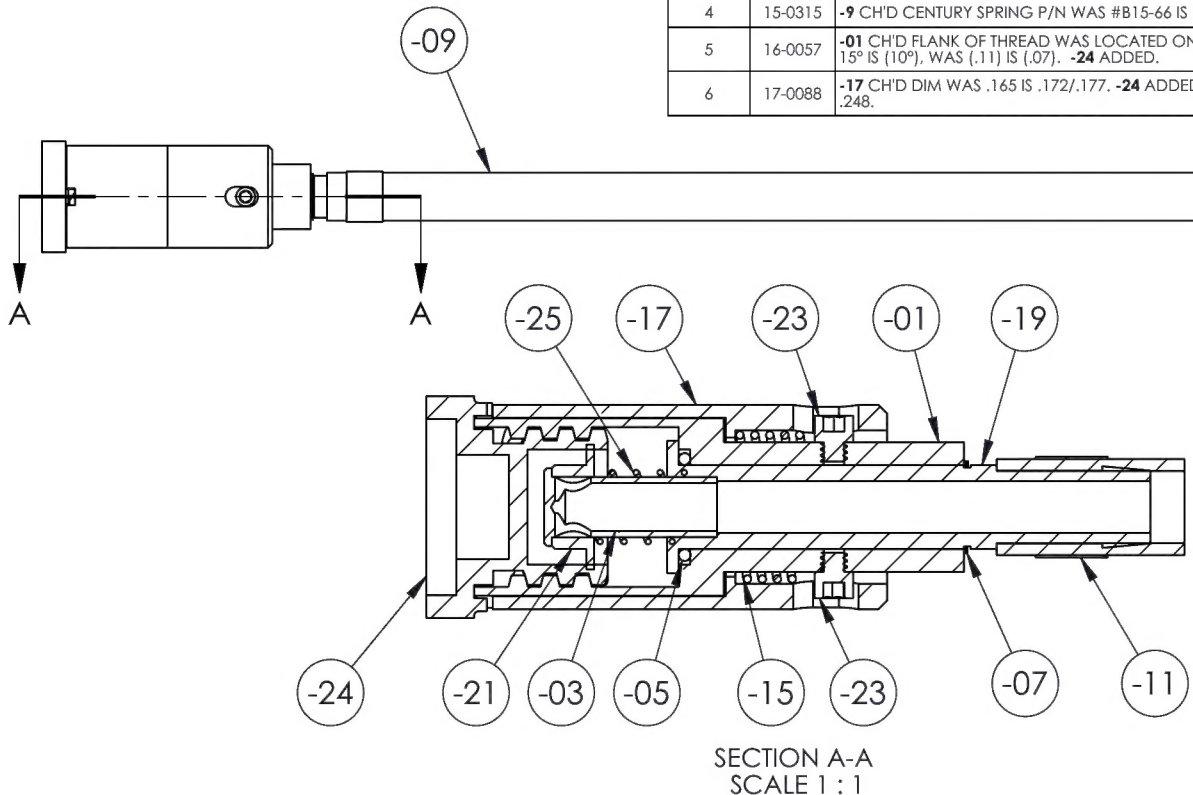


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDESIGNED WITH SHUTOFF AND RETAINING SLEEVE, ADDED PARTS -03, -17, -19, -21 & -23.	3/2/2011	JAG	
2		-01 CH'D TO CLEAR ANODIZE, THREAD CORRECTED TO 13/16-6. -03 CH'D HOLE FROM Ø.20, CH'D LIMIT DIM FROM Ø.3135 - .3139. -17 CH'D TO CLEAR ANODIZE. -19 CH'D HOLE DIA. FROM Ø.26 AND .10 FLANGE TO .06. -21 CH'D Ø.313 TO LIMIT DIM S.F.	11/30/2011	RJC	DW
3		-17 ADDED ENGRAVE NOTE. -23 CH'D O.D. FROM Ø.20 TO Ø.200 +.003 -.000.	2/15/2012	RJC	SE
3A		-13 DELETE, ENGRAVING IS ON -17.	5/2/2013	RJC	RJC
4	15-0315	-9 CH'D CENTURY SPRING P/N WAS #B15-66 IS #2619.	9/30/2015	RJC	JAG
5	16-0057	-01 CH'D FLANK OF THREAD WAS LOCATED ON CENTERLINE IS OFFSET 13° FROM CENTERLINE: WAS 15° IS (10°), WAS (.11) IS (.07). -24 ADDED.	6/16/2016	SM	JAG
6	17-0088	-17 CH'D DIM WAS .165 IS .172/.177. -24 ADDED DIM'S .696, Ø1.09, MIN. R. DELETED DIM'S 2X .068, .248.	4/17/2017	RJC	JAG



NOTE:
FUNCTION: PART OF HELICOPTER SERVICING KIT PART No 3G1205G00131. USED TO DRAIN OIL FROM THE MGB THROUGH THE PARKER STRATOFLEX COUPLING, RBW1205G00332-3G REPLACES STRATOFLEX (11362) (A3Q07) P/N 165006.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-01	1	CAP	6061		2
			-03	1	QUILL	303/304 S.S.		3
		B/O	-05	1	O-RING	BURNA-N	9/16 OD X 1/16 CROSS (MCMaster-CARR #4464T123)	1
		B/O	-07	1	EXTERNAL RETAINING RING	SPRING STEEL	Ø7/16 SHAFT MCMaster-CARR #91665A350	1
		B/O	-09	1	HOSE	VINYL	Ø1/2 X 3/8 X 6 FT. KURI-TECH #K010-0608	1
		B/O	-11	1	CRIMP HOSE CLAMP	S.S.	Ø1/2 DIXON VALVE #OET-1315	1
		B/O	-15	1	SPRING	SPRING STEEL	Ø3/4 CENTURY SPRING #2619	1
			-17	1	SLEEVE	6061		4
			-19	1	BARB	303/304 S.S.		5
			-21	1	VALVE	303/304 S.S.		6
			-23	2	SCREW	S.S.	6-32 X 1/8 (MCMaster-CARR #92196A139) MODIFIED	7
			-24	1	END CAP	6061		8
		B/O	-25	1	SPRING	MUSIC WIRE	Ø.028 WIRE: Ø.360 OD X .5 FREE LENGH RIED #S1165	1

DART
AEROSPACE

TITLE
MAIN GEAR BOX DRAIN TOOL

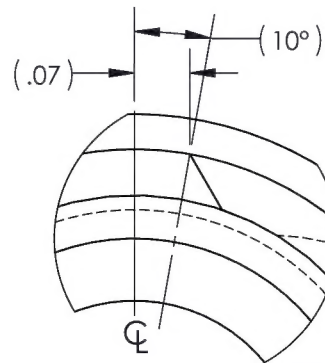
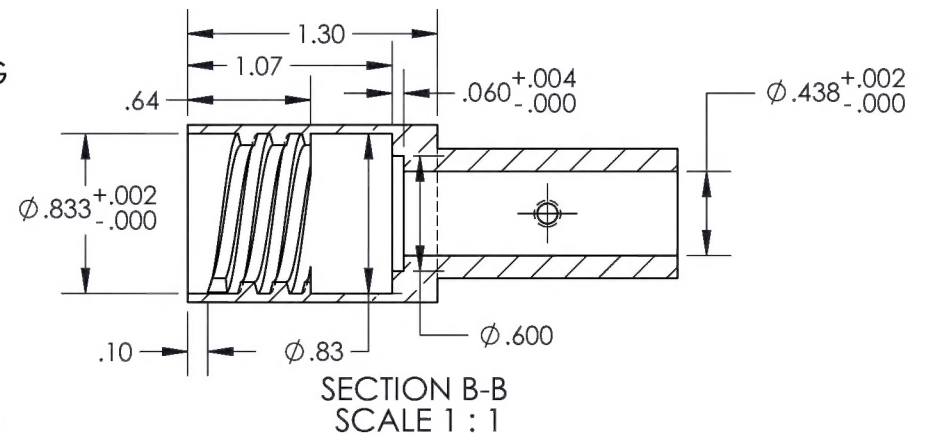
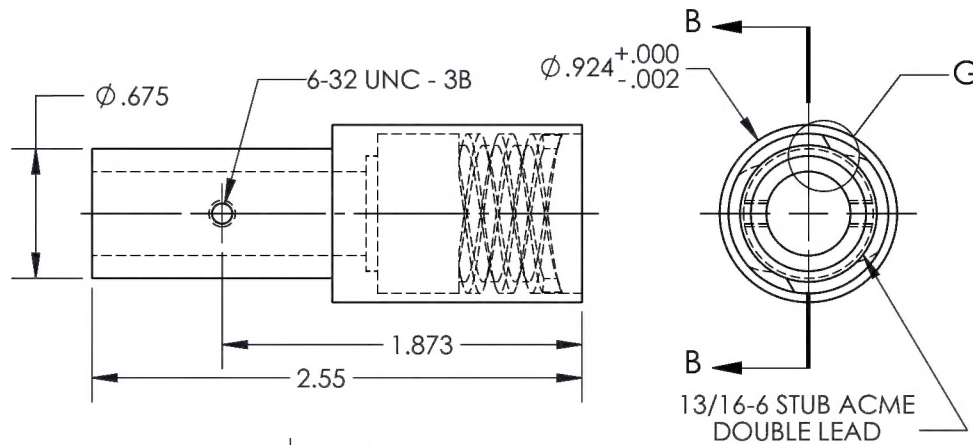
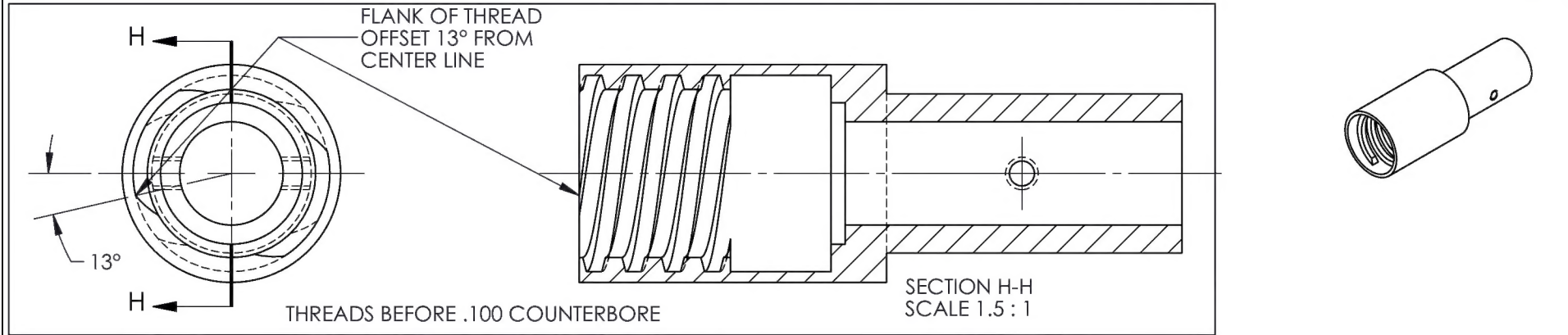
DWG NO. **RBW1205G00332-3G**

REV
6

MAT'L		UNLESS OTHERWISE SPECIFIED	
FEAT		DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .005 FRACTIONS ± 1/8	
FINISH		.XX ± .01 ANGLES ± .5°	
		.X ± .1 SURFACES = 125/	
SPEC		1. BREAK ALL SHARP EDGES	
DRAWN BY:	PERRITT	.015 x 45° OR .015R	
CHECKED:	DUERFELDT	2. DIMENSIONAL LIMITS APPLY	
OPPS APPR:	ANDERSON	AFTER PLATING	
QA APPR:	LINDSAY	3. INTERPRET DIM AND TOL PER	
APPROVED:	GILBERT	ASME Y14.5M-2009	
SCALE	1:2	DATE	2/23/2011
		SHEET	1 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDESIGNED TO USE WITH SLEEVE.	3/2/2011	JAG	
2		-01 CH'D TO CLEAR ANODIZE, THREAD CORRECTED TO 13/16-6.	12/20/2011	RJC	DW
5	16-0057	-01 CH'D FLANK OF THREAD WAS LOCATED ON CENTERLINE IS OFFSET 13° FROM CENTERLINE; WAS 15° IS (10°). WAS (.11) IS (.07).	6/16/2016	SM	JAG



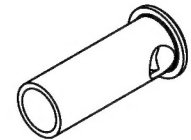
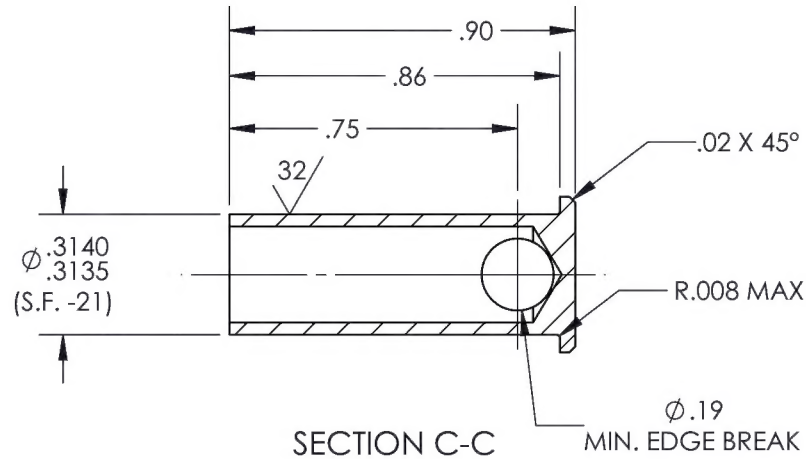
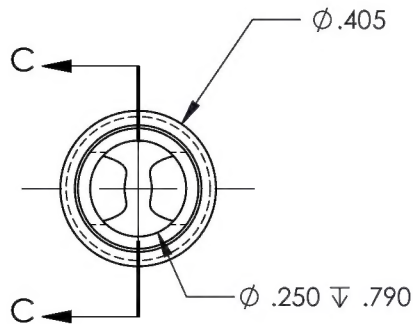
REMOVE THREAD START
TO FULL THREAD WIDTH
AS SEEN IN ISO

(-01)
CAP

DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-01	REV 6
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625, TYPE II, CLASS I	.X ± .1 SURFACES = 125
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA
SCALE 1:1	DATE 2/23/2011
SHEET 2 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-03 ADDED THIS PART FOR REDESIGN.	3/2/2011	JAG	
2		-03 CH'D HOLE FROM Ø.20, CH'D LIMIT DIM FROM Ø.3135-.3139.	11/30/2011	RJC	DW



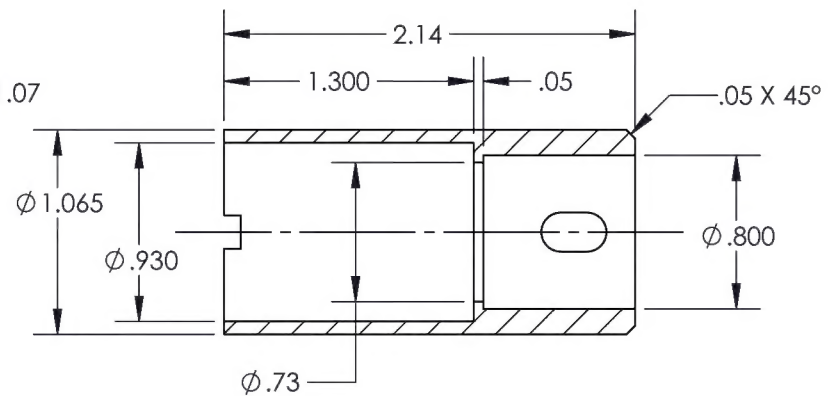
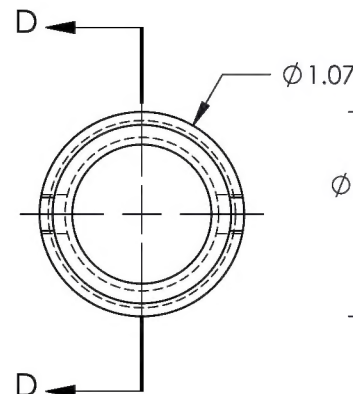
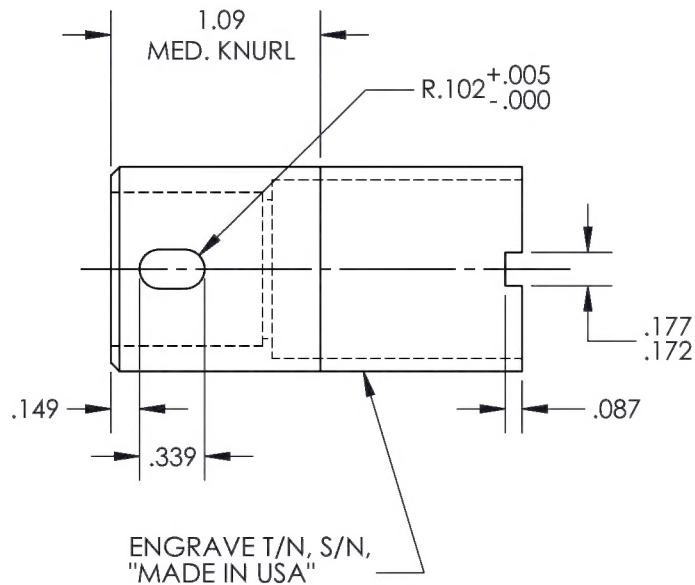
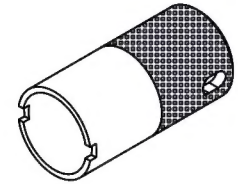
(-03)

QUILL

DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-03	REV 6
MAT'L 303/304 S.S.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: PERRITT	USED ON MODEL
CHECKED: DUERFELDT	AGUSTA
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:1	DATE 2/23/2011
SHEET 3 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-17 ADDED THIS PART FOR REDESIGN.	3/2/2011	JAG	
2		-17 CH'D TO CLEAR ANODIZE.	11/30/2011	RJC	DW
3		-17 ADDED ENGRAVE NOTRE.	2/15/2012	RJC	SE
6	17-0088	-17 CH'D DIM WAS .165 IS .172/.177.	4/17/2017	RJC	JAG



SECTION D-D

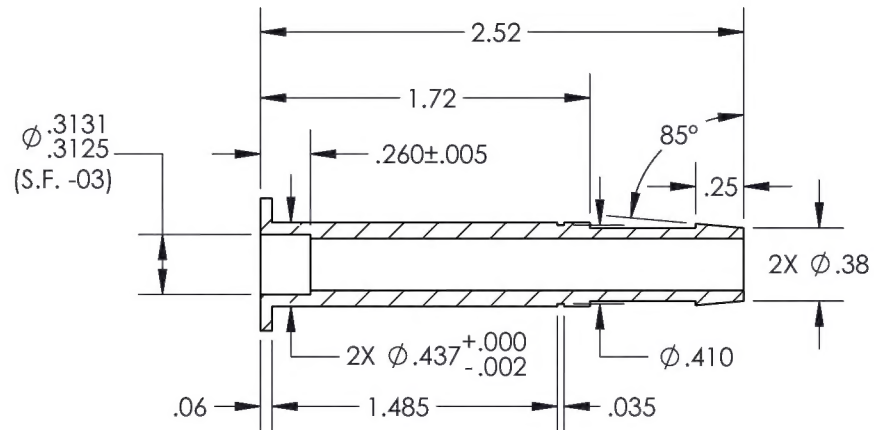
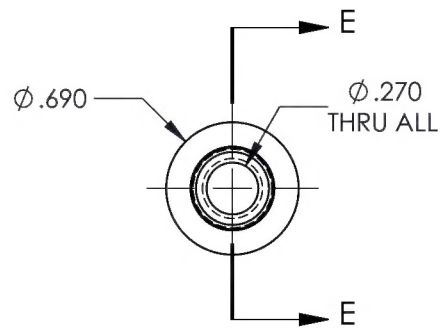
-17

SLEEVE

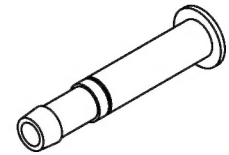
DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-17	REV 6
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625, TYPE II, CLASS I	.X ± .1 SURFACES = 125 ✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA
SCALE 1:1	DATE 2/23/2011
SHEET 4 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-19 ADDED THIS PART FOR REDESIGN.	3/2/2011	JAG	
2		-19 CH'D HOLE DIA. FROM Ø.26, CH'D .10 FLANGE DIM TO .06.	11/30/2011	RJC	DW



SECTION E-E



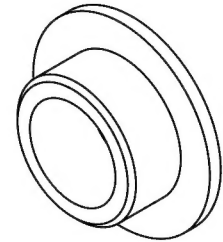
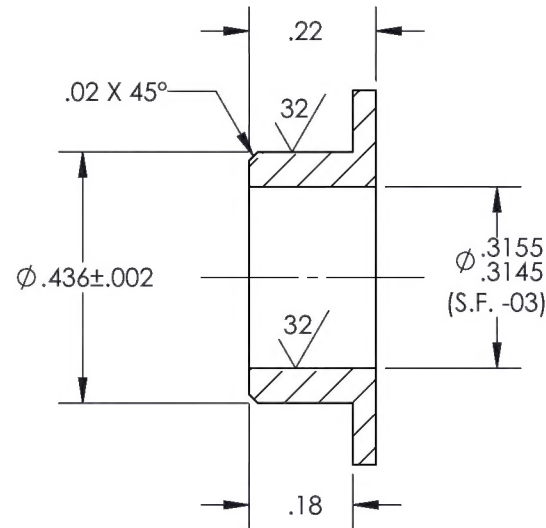
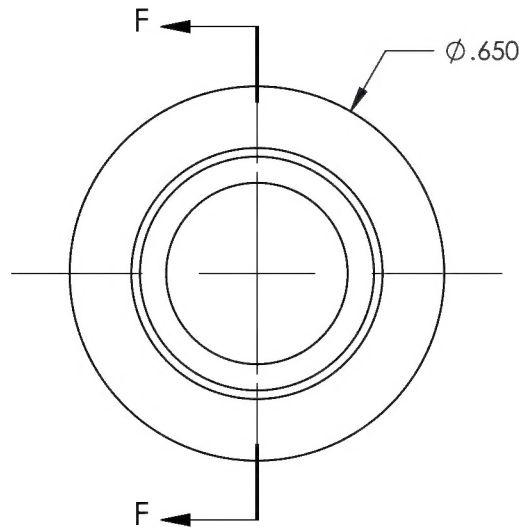
-19

BARB

DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-19	REV 6
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA
SCALE 1:1	DATE 2/22/2011
SHEET 5 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-21 ADDED THIS PART FOR REDESIGN.	3/2/2011	JAG	
2		-21 CH'D Ø.313 TO LIMIT DIM. S.F. -.3.	11/30/2011	RJC	DW



SECTION F-F

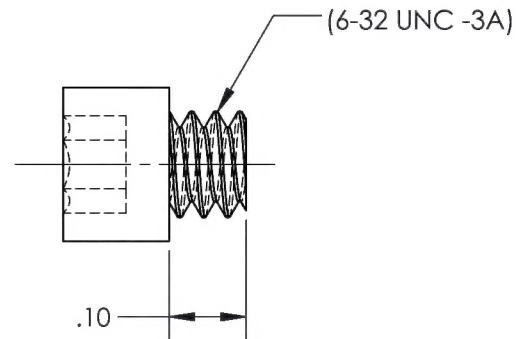
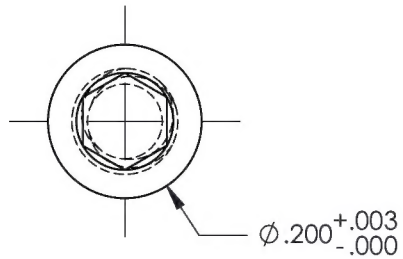
(-21)

VALVE

DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-21	REV 6
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA
SCALE 3:1	DATE 2/25/2011
SHEET 6 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-23 ADDED THIS PART FOR REDESIGN.	3/2/2011	JAG	
3		-23 CH'D O.D. FROM Ø.20 TO Ø.200 +.003-.000.	2/15/2012	RJC	SE



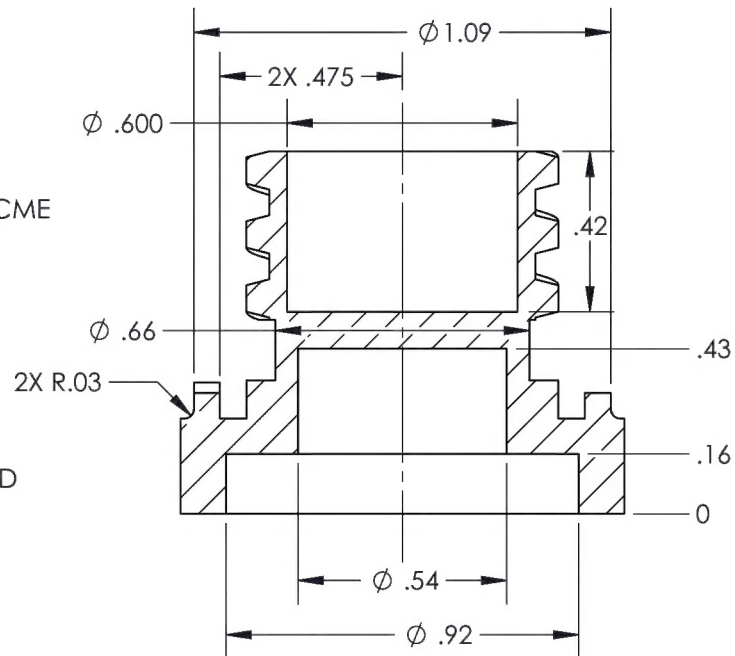
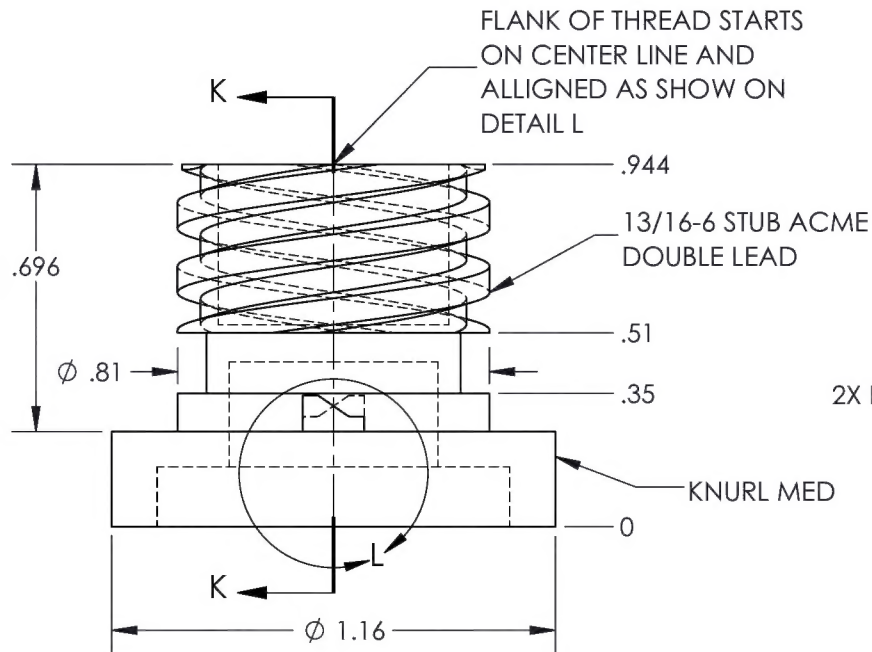
(-23)

SCREW

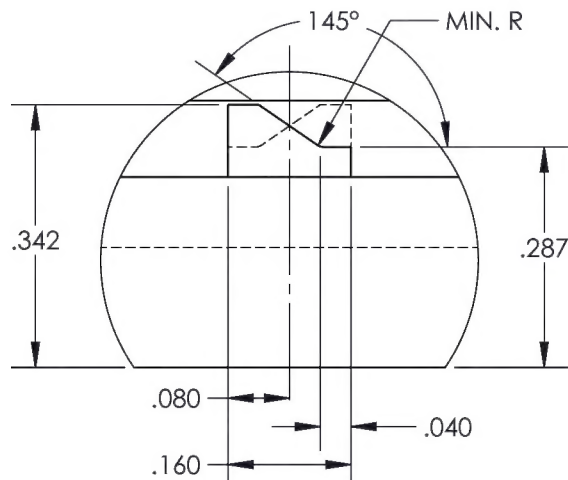
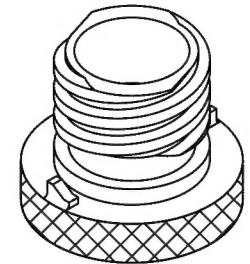
DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-23	REV 6
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	AGUSTA
SCALE 4:1	DATE 2/22/2011
	SHEET 7 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	16-0057	-24 ADDED.	6/16/2016	SM	JAG
6	17-0088	-24 ADDED DIM'S .696, Ø1.09, MIN. R. DELETED DIM'S 2X .068, .248.	4/17/2017	RJC	JAG



SECTION K-K



DETAIL L
2 PLACES
SCALE 4 : 1

(-24)

END CAP

DART AEROSPACE	
TITLE MAIN GEAR BOX DRAIN TOOL	
DWG NO. RBW1205G00332-3G-24	REV 6
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS III	.XX ± .01 ANGLES ± 5°
DRAWN BY: MACKOVJAK	.X ± .1 SURFACES = 125✓
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 6/16/2016	USED ON MODEL
SHEET 8 OF 8	AGUSTA